

1 **ABSTRACT**

2       Methods and systems are provided for predicting an event's occurrence and  
3 notifying one or more interested applications that an event has been predicted to  
4 have occurred. In various embodiments, the events are associated with media  
5 content samples that are to be rendered on a computing device. In one  
6 embodiment, multiple filters are provided and define a filter graph. The filter  
7 graph is configured to process multiple media content samples and includes one or  
8 more render filters that render the media content samples. An event prediction  
9 module, associated with the filter graph, receives event notification requests from  
10 an application and predicts rendition times associated with the individual events.  
11 Event notifications are sent to the application in accordance with the predictions  
12 that are made. The event prediction module can be located upstream of the render  
13 filters and, in some embodiments, can comprise part of one of the filters in the  
14 filter graph such as a source filter.  
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